

# Cardiac Arrest: Post- Resuscitation Care

## History

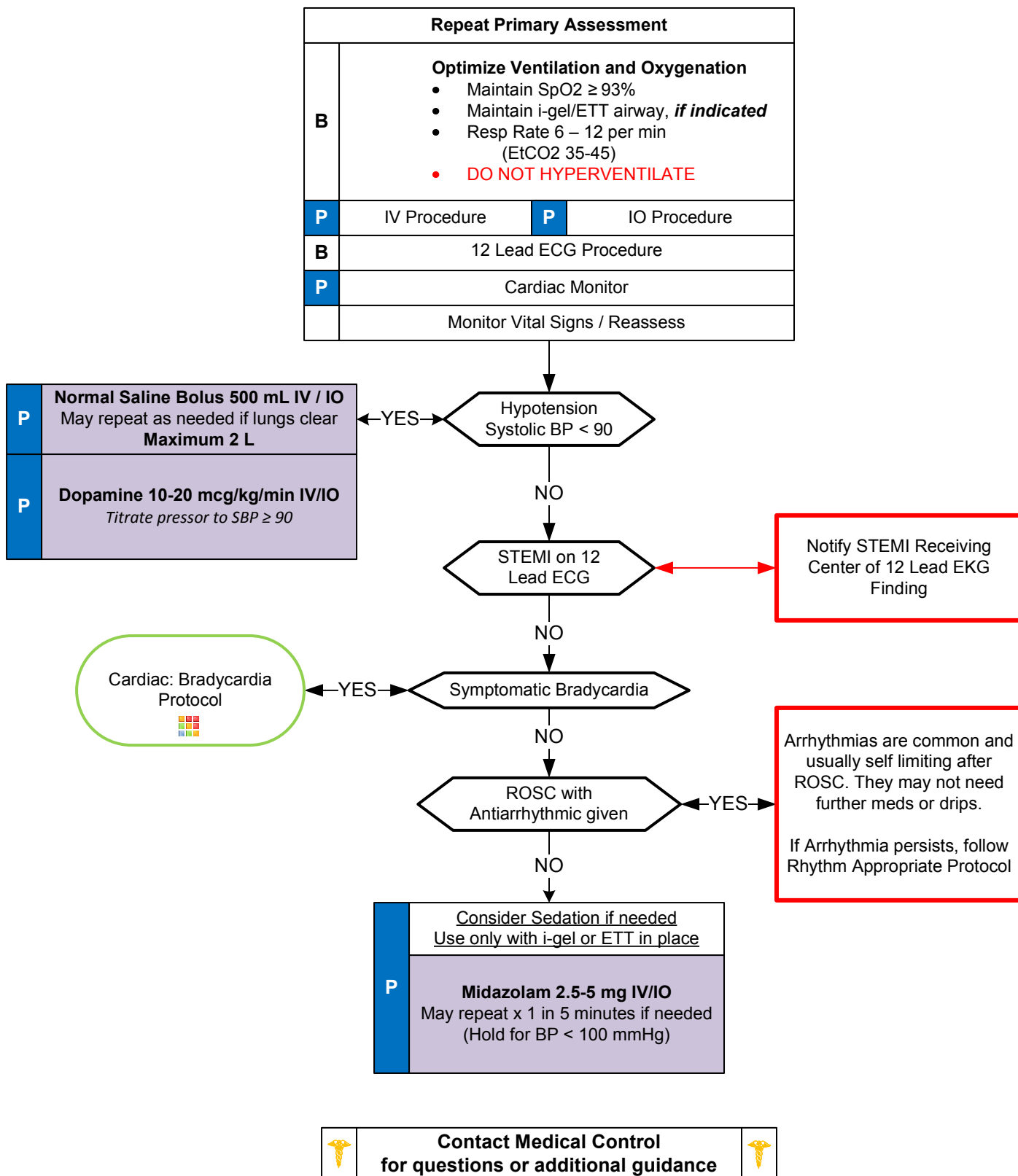
- Respiratory arrest
- Cardiac arrest

## Signs/Symptoms

- Return of pulse

## Differential

- Continue to address specific differentials associated with the original dysrhythmia



# Cardiac Arrest: Post-Resuscitation Care

## Post ROSC Cardiac Arrest Checklist

- ☐ **FINGER on pulse; maintain for 5 minutes. DO NOT MOVE the patient during this time!**
- ☐ ASSESS CO2 (should be >20 with good waveform)
- ☐ Continuous visualization of cardiac monitor rhythm
- ☐ Check O2 supply and Pulse Ox, Maintain SpO2 ≥ 93%
- ☐ Do not try to obtain a “normal” EtCO2 by increasing respiratory rate
- ☐ **Obtain 12 lead EKG; if STEMI evident, make STEMI notification to the hospital**
- ☐ Assess for & TREAT bradycardias, HR < 60 bpm
- ☐ Obtain Blood Pressure -- Pressor agent indicated for SBP < 90
- ☐ Evaluate for post-resuscitation airway placement (e.g. i-gel or ETT), if needed.
- ☐ When patient is moved, perform CONTINUOUS PULSE CHECK and continuous monitoring of cardiac rhythm
- ☐ Have Mask available for BVM in case i-gel or ETT fails
- ☐ Once in ambulance, confirm pulse, breath sounds, SaO2, EtCO2, and cardiac rhythm
- ☐ Appropriate personnel present in the back of the ambulance for transport

### Pearls

- **Continue to search for potential cause of cardiac arrest during post-resuscitation care.**
- Hyperventilation is a significant cause of hypotension and recurrence of cardiac arrest in the post resuscitation phase and should be avoided at all costs.
- **Initial End tidal CO2 may be elevated immediately post-resuscitation but will usually normalize. While goal is 35 – 45 mm Hg, avoid hyperventilation.**
- Most patients immediately post resuscitation will require ventilatory assistance.
- The condition of post-resuscitation patients fluctuates rapidly and continuously, they require close monitoring. Appropriate post-resuscitation management may require consultation with medical control.
- Common causes of post-resuscitation hypotension include hyperventilation, hypovolemia, pneumothorax, and medication reaction to ALS drugs.
- Titrate Dopamine to maintain SBP ≥ 90. Ensure adequate fluid resuscitation is ongoing.
- **Patients with a STEMI or suspicion of a STEMI must be routed to a STEMI Receiving Center!**